THE CLAIMS

Claims 1-7, 12-18, and 27-30 are pending in the instant application. Claims 8-11 and 19-26 have been previously cancelled. The Applicant requests reconsideration of the claims in view of the following remarks.

Listing of claims:

1. (Previously Presented) A multi-mode wireless communication device, comprising:

a first baseband co-processor configured to execute low-level stack operations of a first wireless communications protocol employed within a first wireless communications network;

a host baseband processor configured to execute a set of protocol stack operations of a second wireless communications protocol employed within a second wireless communications network and higher-level stack operations of said first wireless communications protocol;

a data communication channel between said host baseband processor and said first baseband co-processor capable of carrying data received by said multi-mode wireless communication device from said first wireless communications network or sent by said multi-mode wireless communication device through said first wireless communications network; and

one or both of said first baseband co-processor and said host baseband processor enabling switching between bearers utilizing said low-level stack operations and said set of protocol stack operations and maintaining bearer connections during said switching.

- 2. (Previously Presented) The device of claim 1, wherein said set of protocol stack operations comprises a complete set of protocol stack operations of said second wireless communications protocol.
- 3. (Previously Presented) The device of claim 1 comprising a second baseband processor in communication with said host baseband processor via said data communication channel, said second baseband processor being configured to execute low-level stack operations of said second wireless communications protocol.
- 4. (Previously Presented) The device of claim 3, wherein said set of protocol stack operations comprises higher-level protocol stack operations of said second wireless communications protocol.

Application No. 10/733,861 Reply to Final Office Action of September 30, 2008

- 5. (Previously Presented) The device of claim 1, wherein said low-level stack operations include physical layer functions and bearer-specific stack functions related to said first wireless communications protocol.
- 6. (Previously Presented) The device of claim 1, wherein said higherlevel stack functions comprise stack functions common to said first and second wireless communication protocols.
- 7. (Previously Presented) The device of claim 1, wherein said host baseband processor is further configured to execute application-layer functions.

8. - 11. (Cancelled)

- 12. (Previously Presented) The device of claim 1, wherein said first wireless communications protocol comprises WCDMA and said second wireless communications protocol comprises GSM.
- 13. (Previously presented) A method performed in a wireless communication device disposed for communication with first and second wireless communications networks in accordance with first and second wireless communication protocols, respectively, said method comprising:

executing low-level stack operations of said first wireless communications protocol within a first baseband co-processor;

executing a set of protocol stack operations of a second wireless communications protocol and higher-level stack operations of said first wireless communications protocol within a host baseband processor;

establishing a data communication channel between said host baseband processor and said first baseband co-processor capable of carrying data received by said wireless communication device from said first wireless communications network or sent by said wireless communication device through said first wireless communications network; and

switching between bearers utilizing said low-level stack operations and said set of protocol stack operations and maintaining bearer connections during said switching.

- 14. (Previously Presented) The method of claim 13, wherein said executing said set of protocol stack operations comprise executing a complete set of protocol stack operations of said second wireless communications protocol.
- 15. (Previously Presented) The method of claim 13 comprising executing low-level stack operations of said second wireless communications protocol within

a second baseband processor in communication with said host baseband processor via said data communication channel.

- 16. (Previously Presented) The method of claim 15, wherein said executing said set of protocol stack operations comprises executing higher-level protocol stack operations of said second wireless communications protocol.
- 17. (Previously Presented) The method of claim 13, wherein said executing said low-level stack operations comprises executing physical layer functions and bearer-specific stack functions related to said first wireless communications protocol.
- 18. (Previously Presented) The method of claim 17, wherein said executing higher-level stack functions comprises executing stack functions common to said first and second wireless communication protocols.

19. – 26. (Cancelled)

27. (Previously Presented) A multi-mode wireless communication device, comprising:

a first baseband co-processor configured to execute low-level stack operations of a first wireless communications protocol employed within a first wireless communications network;

a host baseband processor configured to execute a set of protocol stack operations of a second wireless communications protocol employed within a second wireless communications network and higher-level stack operations of said first wireless communications protocol; and

a data communication channel between said host baseband processor and said first baseband co-processor capable of carrying data received by said multi-mode wireless communication device from said first wireless communications network or sent by said multi-mode wireless communication device through said first wireless communications network,

wherein said host baseband processor comprises:

a common stack functions module communicating to one or more application modules, said common stack functions module executing functions common to said first and second wireless communications protocols;

a first bearer-specific module for implementing bearer-specific stack functions related to said first wireless communications protocol; and

- a second buffer in communication with said first bearerspecific module and said common stack functions module; and wherein said first baseband co-processor comprises:
- a first physical layer module for implementing physical layer functions;
- a first buffer in communication with said first physical layer module and said first bearer-specific module.
- 28. (Previously Presented) The device according to claim 27, wherein said host baseband processor comprises a common stack functions module and one or more application modules, said common stack functions module executing functions common to said first and second wireless communications protocols.
- 29. (Previously Presented) A multi-mode wireless communication device, comprising:
- a first baseband co-processor configured to execute low-level stack operations of a first wireless communications protocol employed within a first wireless communications network;
- a host baseband processor configured to execute a set of protocol stack operations of a second wireless communications protocol employed within a

second wireless communications network and higher-level stack operations of said first wireless communications protocol;

a data communication channel between said host baseband processor and said first baseband co-processor capable of carrying data received by said multi-mode wireless communication device from said first wireless communications network or sent by said multi-mode wireless communication device through said first wireless communications network; and

one or both of said first baseband co-processor and said host baseband processor enabling switching between bearers utilizing said low-level stack operations and said set of protocol stack operations and maintaining bearer connections during said switching,

wherein said host baseband processor comprises:

a first bearer-specific module for implementing bearer-specific stack functions related to said first wireless communications protocol; and

wherein said first baseband co-processor comprises:

a first physical layer module for implementing physical layer functions; and

a first buffer in communication with said first physical layer module and said first bearer-specific module.

30. (Previously Presented) A multi-mode wireless communication device, comprising:

a first baseband co-processor configured to execute low-level stack operations of a first wireless communications protocol employed within a first wireless communications network;

a host baseband processor configured to execute a set of protocol stack operations of a second wireless communications protocol employed within a second wireless communications network and higher-level stack operations of said first wireless communications protocol;

a data communication channel between said host baseband processor and said first baseband co-processor capable of carrying data received by said multi-mode wireless communication device from said first wireless communications network or sent by said multi-mode wireless communication device through said first wireless communications network; and

one or both of said first baseband co-processor and said host baseband processor enabling switching between bearers utilizing said low-level stack operations and said set of protocol stack operations and maintaining bearer connections during said switching,

wherein said host baseband processor comprises:

a first bearer-specific module for implementing bearer-specific stack functions related to said first wireless communications protocol; and

a second buffer in communication with said first bearerspecific module and a common stack functions module; and wherein said first baseband co-processor comprises:

a first physical layer module for implementing physical layer functions; and

a first buffer in communication with said first physical layer module and said first bearer-specific module from said host baseband processor via said data communication channel.